

2631



Docket No. 1008-001US01

PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#2

Applicant: Georgios B. Giannakis and Group Art Unit: 2631
 Shengli Zhou

Serial No.: 09/838,621 Examiner: Unknown

Filed: April 19, 2001

Title: CHIP-INTERLEAVED, BLOCK-SPREAD MULTI-USER COMMUNICATION

CERTIFICATE UNDER 37 CFR 1.8: I hereby certify that this correspondence is being deposited with the United States Post Service as First Class Mail, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on July 23, 2001.

By: Celia A. Roberts
 Name: Celia A. Roberts

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
 Washington, D.C. 20231

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Dear Sir:

Applicant submits the references listed on the attached form PTO-1449, copies of which are enclosed.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office Action on the merits.

Respectfully submitted,

Date: July 23, 2001

Kent Sieffert
 By: Kent J. Sieffert
 Reg. No. 41,312

Shumaker & Sieffert, P.A.
 150 Gateway Corporate Center
 576 Bielenberg Drive
 St. Paul, Minnesota 55125
 Phone: (651) 735-1100 ext. 11
 Fax: (651) 735-1102



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Page 1 of 2

OMB No. 0651-0011

**INFORMATION
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Georgios B. Giannakis and Shengli Zhou	
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April 19, 2001	2631

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
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						JUL 27 2001
						Technology Center 2600

FOREIGN PATENT DOCUMENTS

		Document Number	Date of Publication	Country	Class	SubClass	Translation
							Yes No

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

		Zhou et al., "Chip-Interleaved Block-Spread Code Division Multiple Access," 2001 Conference on Information Sciences and Systems, The Johns Hopkins University, March 21-23, 2001, pp.1-6.
		J.A.C. Bingham, "Multicarrier modulation for data transmission: An idea whose time has come," IEEE Comm. Magazine, pp. 5-14, May 1990.
		H.A. Cirpan and M.K. Tsatsanis, "Chip interleaving in direct sequence CDMA systems," in Proc. of Intl. Conf. on ASSP, 1997, vol. 5, pp. 3877-3880.
		G.B. Giannakis, Z. Wang, A. Scoglione, and S. Barbarossa, "AMOUR - Generalized Multicarrier Transceivers for Blind CDMA irrespective of Multipath," IEEE Trans. on Comm., vol. 48, no. 12, pp. 2064-2076, December 2000.
		G. Leus and M. Moonen, "MUE-Free Receiver for a Shift-Orthogonal Quasi-Synchronous DS-CDMA System Based on Block Spreading in Frequency-Selective Fading," in Proc. of ICASSP, 2000, p. 2497-2500.
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EXAMINER	Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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Page 2 of 2

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FOREIGN PATENT DOCUMENTS

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							Yes

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

		A. Ruiz, J.M. Cioffi, and S. Kasturia, "Discrete multiple tone modulation with coset coding for the spectrally shaped channel," IEEE Trans. on Comm., vol. 40, pp. 1012-1029, June 1992.
		H. Sari and G. Karam, "Orthogonal frequency-division multiple access and its application to CATV network," ETT, pp. 507-516, Nov., 1998.
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		S. Zhou, G.B. Giannakis, and C. Le Martret, "Chip-Interleaved Block-Spread Code Division Multiple Access", IEEE Trans. on Comm., submitted Augu., 2000.

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Based on Form PTO-FB-A820
(Also form PTO-1449)

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